

10/535263

36470417MP10 17 MAY 2005

PATENT  
8012-1318

## IN THE U.S. PATENT AND TRADEMARK OFFICE

In re application of

Satoshi OMURA et al.

Conf.

Application No. NEW NATIONAL PHASE

Group

Filed May 17, 2005

Examiner

STRAIN BELONGING TO THE GENUS STREPTOMYCES AND BEING CAPABLE OF  
PRODUCING NEMADICTIN AND PROCESS FOR PRODUCING NEMADICTIN USING THE  
STRAIN

**INFORMATION DISCLOSURE STATEMENT**  
**(SUBMISSION CONCURRENT WITH THE**  
**FILING OF A NEW PATENT APPLICATION)**

Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

May 17, 2005

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, and in fulfillment of  
the duty of disclosure under 37 C.F.R. § 1.56, applicant(s) hereby  
submit(s) an Information Disclosure Statement for consideration by  
the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for  
consideration by the Office are listed on PTO-1449, attached  
hereto.

II. COPIES

- ☒ Copies of the U.S. patents or publications are not submitted  
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- ☐ Submitted herewith is a legible copy of (i) each foreign  
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to be listed; and (iii) all other information or that portion  
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- ☒ This application is a National Phase of a PCT application.  
Some or all of the documents listed on the PTO-1449 are not  
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Report and copies should have been forwarded from the  
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patents or U.S. published applications. If copies are needed,  
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III. CONCISE EXPLANATION OF THE RELEVANCE **C14 Rec'd PGT/PTO 17 MAY 2005**  
 (check at least one box)

a. ☒ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The non U.S. patents, non U.S. patent application publications, foreign publications, or other information in the English language do not require a statement of relevancy.

b. ☐ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

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An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

d. ☐ **OTHER**

The following additional information is provided for the Examiner's consideration.

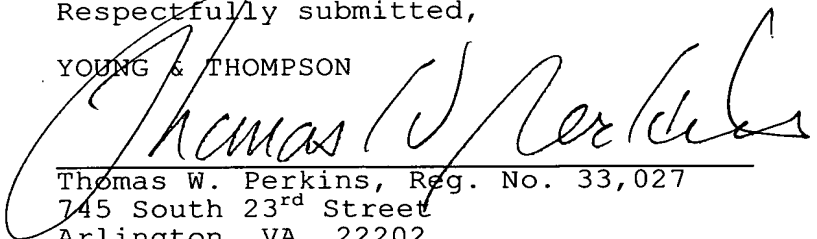
FEES

This Information Disclosure Statement is being filed concurrently with the filing of a new patent application; therefore, no fee is required.

If The Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned.

Respectfully submitted,

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Enclosures: ☒ Form PTO-1449(s)  
☐ Documents  
☒ Foreign Search Report  
☐ Other: \_\_\_\_\_

10/535263  
NEW NATIONAL PHASE**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

Attorney Docket No.:  
**8012-1318**Application No.:  
**10/535263**Applicant:  
**Satoshi OMURA et al.**Filing Date:  
**May 17, 2005**

Group Art Unit:

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing date (if appropriate)
	5,312,753	5/17/1994	MacNeil et al.			

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	WO 93/18779	9/30/1993	WIPO				
	JP 2003-33188	2/4/2003	JAPAN				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	NAKAGAWA, K. et al., MICROBIAL CONVERSION OF MILBEMYCINS: HYDROXYLATION OF MILBEMYCIN A4 AND RELATED COMPOUNDS BY Cunninghamella echinulata ATCC 9244. J. Antibiot., 1991, Vol. 44, No. 2, pages 232 to 240
	CARTER G.T. et al., LL-F28249 ANTIBIOTIC COMPLEX: A NEW FAMILY OF ANTIPARASITIC MACROCYCLIC LACTONES. ISOLATION, CHARACTERIZATION AND STRUCTURES OF LL-F28249, J. Antibiot., 1988, vol. 41, No. 4, pages 519 to 529
	Haruo IKEDA et al., Combinatorial Biosynthesis-Polyketide Kogobutsu o Rei to shite-", Protein, Nucleic acid and Enzyme, Vol. 43, No. 9, (1998), pages 1265 to 1277
	Haruo IKEDA et al., "Metabolic Engineering no Tenkai-1 Biseibutsu 2ji Taisha Sanbutsu Seigosei no Kinoteki Kakuhen ni yoru Yuyo Bushitsu no Sangyo", Kagaku to Seibutsu, Vol. 34, No. 11, (1996), pages 761 to 771
	Haruo IKEDA et al., "Series Taisha Kogaku/Seigosei Kogaku (4) Seigosei (2) Hosengin Polyketide Segosei Idenshi no Kaiseki to sono Oyo", Bioscience & industry, Vol. 59, No. 8, (2001), pages 530 to 533
	JP 2003-33188 A (Kyowa Hakko Kogyo Co., Ltd.), 04 February, 2003 (04.02.03), (Family: none)
	MACNEIL D.J. et al., A Comparison of the Genes Encoding the Polyketide Synthases for Avermectin, Erythromycin, and Nemadectin. Ind. Microorg. (Edited by BALTZ R.H. et al.), 1993, pages 245 to 256
	SHIH T.L. et al., SYNTHESIS OF AN AVERMECTIN-NEMADECTIN HYBRID. Tetrahedron Lett., 1991, Vo.32, No.30, pages 3663 to 3666

EXAMINER:

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

\* English language abstract provided for the Examiner's convenience